INTERNATIONAL SEARCH REPORT

PCT/US 03/39740

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D451/02 C07D413/06 CO7D413/14 C07D471/10 C07D417/14 A61K31/46 A61P31/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/58292 A (SANOFI-SYNTHELABO) 5 October 2000 (2000-10-05) claim 1; examples	1-25
X	WO 96/23787 A (SANOFI) 8 August 1996 (1996-08-08) claim 1; examples	1-25
X	WO 02/094821 A (SANOFI-SYNTHELABO) 28 November 2002 (2002-11-28) claim 1; examples	1–25
X	EDMONDS-ALT ET AL.: THE JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, vol. 303, no. 3, 2002, pages 1171-79, XP002280312 figure 1	1–25
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the international filling date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O* document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filling date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 14 May 2004	Date of mailing of the international search report 03/06/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Lauro, P



onal Application No PCT/US 03/39740

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	ALI ET AL.: BIOORG. MED. CHEM. LETT., vol. 11, 2001, pages 819-822, XP002280313 figure 1A	1-25
X	NISHI ET AL.: BIOORG. MED. CHEM. LETT., vol. 10, 2000, pages 1665-68, XP002280314 examples	1-25
X	JP 01 031570 A (SANKYO) 1 February 1989 (1989–02–01) examples	1-25
Y	WO 02/079194 A (SCHERING CORP) 10 October 2002 (2002-10-10) the whole document	1-42
Υ	WO 02/05819 A (BONDINELL WILLIAM E;SMITHKLINE BEECHAM CORP (US); NEEB MICHAEL J) 24 January 2002 (2002-01-24) the whole document	1-42
Υ	PALANI A ET AL: "Discovery of 4-'(Z)-(4-Bromophenyl)-(ethoxyimino)methyl !-1'-'(2,4-dim ethyl-3-pyridinyl)carbonyl!-4'-methyl-1,4' -bipiperidine N-Oxide (SCH 351125): An Orally Bioavailable Human CCR5 Antagonist for the Treatment of HIV Infection" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 44, no. 21, 11 October 2001 (2001-10-11), pages 3339-3342, XP002220286 ISSN: 0022-2623 the whole document	1-42
Y	WO 02/081449 A (NOVARTIS ERFIND VERWALT GMBH; ALBERT RAINER (CH); NOVARTIS AG (CH)) 17 October 2002 (2002-10-17) the whole document	1-42

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ernational application No. PCT/US 03/39740

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 26-30,40-42 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. X Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.
As only some of the regulared additional search fees were timely hald by the applicant, this international Search Report
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Present claims 1-42 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of formula (I) in which B-R1 represents a 6-phenyl-1,3-oxazinanyl or a 2-phenyl morpholinyl (i.e. R1 is phenyl) which are supported by the examples.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONA BEARCH REPORT

PCT/US 03/39740

					03/39/40
Patent docume cited in search re		Publication date		Patent family member(s)	Publication date
WO 0058292	2 A	05-10-2000	FR AU	2791346 A1 756855 B2	29-09-2000 23-01-2003
			AU	3301600 A	16-10-2000
			BG	105923 A	31-05-2002
			BR	0009281 A	22-01-2002
			CA	2366829 A1	05-10-2000
			CN	1353698 T	12-06-2002
			CZ	20013365 A3	16-01-2002
			EE	200100499 A	16-12-2002
			EP	1165528 A1	02-01-2002
			WO HR	0058292 A1 20010704 A1	05-10-2000 31-08-2002
			HU	0201863 A2	28-12-2002
			ID	29871 A	18-10-2001
			ĴΡ	2002540195 T	26-11-2002
			NO	20014632 A	26-11-2001
			NZ	513674 A	30-05-2003
			PL	351317 A1	07-04-2003
			RU	2222537 C2	27-01-2004
			SK	13462001 A3	09-05-2002
			TR TW	200102639 T2 534906 B	21-02-2002 01-06-2003
:			US	6506750 B1	14-01-2003
			ZA	200106981 A	24-10-2002
W0 9623787	7 A	 08-08-1996	 FR	2729952 A1	02-08-1996
WU 9023767	, A	00-00-1990	FR	2729952 A1 2729953 A1	02-08-1996
			FR	2729954 A1	02-08-1996
			AT	222251 T	15-08-2002
			AU	3013399 A	19-08-1999
			AU	707901 B2	22-07-1999
			AU	4666996 A	21-08-1996
			BR	1100937 A3	01-08-2000
			CA CN	2211668 A1 1321634 A ,B	08-08-1996 14-11-2001
			CN	1321634 A ,B	14-11-2001
			CN	1394855 A	05-02-2003
			CN	1172483 A ,B	04-02-1998
			CZ	9702436 A3	12-11-1997
			DE	69622992 D1	19-09-2002
			DE	69622992 T2	10-04-2003
			DK	807111 T3	16-12-2002
			EP	1156049 A1	21-11-2001
			EP EP	1340754 A1 0807111 A1	03-09-2003 19-11-1997
			ES	2181866 T3	01-03-2003
				29-09-1997	
			wo	9623787 A1	08-08-1996
			28-10-1999		
1			IL	116957 A	20-06-1999
			JP	3234228 B2	04-12-2001
			JP	11507324 T	29-06-1999
			JP	3357660 B2	16-12-2002
			JP	2001172279 A	26-06-2001
			JP JP	2001131171 A 2002138088 A	15-05-2001 14-05-2002
			NO	973479 A	29-09-1997
			NZ	301285 A	28-01-2000



ional Application No PCT/US 03/39740

		 -			
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9623787	Α		PL	321640 A1	22-12-1997
			ΡŢ	807111 T	31-12-2002
			ŔŮ	2157807 C2	
			SI	807111 T1	
			US	6242637 B1	
			US	5977359 A	02-11-1999
			US	5641777 A	24-06-1997
			US	5780466 A	14-07-1998
			US	5869663 A	09-02-1999
			ZA	9600694 A	26-08-1996
WO 02094821	Α	28-11-2002	FR	2824828 A1	
			CA	2445631 A1	28-11-2002
			CZ	20033132 A3	18-02-2004
			ΕE	200300553 A	16-02-2004
			ΕP	1395582 A1	
			WO	02094821 A1	
			HR	20030923 A2	
JP 01031570	Α	01-02-1989	JP	1807604 C	10-12-1993
			JP	5007109 B	28-01-1993
WO 02079194	Α	10-10-2002	CA	2442227 A1	10-10-2002
			CZ	20032636 A3	17-12-2003
			EP	1373256 A1	
			NO	20034311 A	26-11-2003
			SK	11962003 A3	
			WO	02079194 A1	
			ÜS	2003008877 A1	
WO 0205819		24 01 2002		0050001 *	20 01 0200
MO 050301A	Α	24-01-2002	AU	8059901 A	30-01-2002
			EP	1313477 A1	
			WO	0205819 A1	24-01-2002
WO 02081449	Α	17-10-2002	CA	2439241 A1	
			CZ	20032723 A3	
			WO	02081449 A1	17-10-2002
			EP	1379504 A1	
			HU	0303724 A2	
			NO	20034324 A	26-09-2003
			110	LUUJTJLT A	